

# PROOF OF PRODUCT (POP)

**\*\*Date:\*\*** 2024-12-27  
**\*\*POP Reference No.:\*\*** [pop\_reference]

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Issue Date	2025-09-24
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Witness / Notary Number	1642

## Vessel Identification and Technical Details

Vessel Identification		Registry Information	
IMO Number	IMO9234141	Flag State	Taiwan
Vessel Type	MT Wan Hai Progress	Call Sign	E3A0QN
Year Built	2020	Vessel Owner	MT Ionian Star
Length Overall (LOA)	361 m	Vessel Operator / Manager	MV Equatorial Star
Beam (Width)	24 m	ISM Manager	Mediterranean Shipping Company
Draft	15.3 m	Registry Port	Port of Shanghai
Technical Specifications		Capacity Details	
Gross Tonnage (GT)	70926 GT	Deadweight (DWT)	31918 DWT
Net Tonnage (NT)	77376 NT	Cargo Capacity (m³ / barrels)	120512 m³
Classification Society	DNV GL	Number of Cargo Tanks	22 tanks
Main Engine Type	MAN B&W	Pumping Capacity (m³/hr)	4992 m³/h
Speed (knots)	17.2 knots		

### 1. Seller Information

Company Name	Castor Maritime Inc
Registration Number	[seller_registration]
Address	[seller_address]

Tel/Fax	[seller_tel]
Email	operations@yangming.com
Authorized Representative	[seller_representative]

## 2. Buyer Information

Company Name	Mitsui O.S.K. Lines
Registration Number	REG-464660
Address	987 Fleet Street, Harbor Zone
Tel/Fax	[buyer_tel]
Email	commercial@msc.ch
Authorized Representative	[buyer_representative]

## 3. Product Details

Commodity	Diesel Fuel
Specification Standard	ISO 3675
Origin	Port of Long Beach
Port of Loading	Port of Barcelona
Port of Discharge	Port of Qingdao
Quantity	[contract_quantity]
Delivery Terms	MV Hyundai Confidence

## 4. Product Technical Specifications (Laboratory Analysis)

Parameter	Unit	Result	Test Method
API Gravity @ 60°F	°API	[api_gravity]	ASTM D287
Specific Gravity @ 15°C	g/cm <sup>3</sup>	[specific_gravity]	ASTM D1298
Density @ 15°C	kg/m <sup>3</sup>	856.4 kg/m <sup>3</sup> @ 15°C	ASTM D4052
Sulfur Content (Total)	% wt	0.423%	ASTM D4294
Flash Point (PMCC)	°C	61°C	ASTM D93
Pour Point	°C	-12°C	ASTM D97
Cloud Point	°C	[cloud_point]	ASTM D2500
Viscosity @ 40°C	cSt	[viscosity_40]	ASTM D445
Viscosity @ 100°C	cSt	[viscosity_100]	ASTM D445
Kinematic Viscosity Index	-	[viscosity_index]	ASTM D2270
Cetane Number	-	52.1	ASTM D613
Octane Number (RON)	-	6541	ASTM D2699
Water Content	ppm	0.039%	ASTM D6304
Sediment & Particulates	% wt	[sediment]	ASTM D473
Ash Content	% wt	0.003%	ASTM D482
Carbon Residue (Conradson)	% wt	[carbon_residue]	ASTM D189

<b>Nickel (Ni) Content</b>	ppm	[nickel]	ICP-OES
<b>Vanadium (V) Content</b>	ppm	[vanadium]	ICP-OES
<b>Sodium (Na) Content</b>	ppm	[sodium]	ASTM D8110
<b>Nitrogen Content</b>	ppm	[nitrogen]	ASTM D5762
<b>Aromatics Content</b>	% vol	[aromatics]	ASTM D1319
<b>Olefins Content</b>	% vol	[olefins]	ASTM D1319
<b>Oxygenates (MTBE/ETBE)</b>	% vol	[oxygenates]	GC-MS
<b>Distillation (IBP)</b>	°C	[dist_ibp]	ASTM D86
<b>Distillation (10% Recovery)</b>	°C	[dist_10]	ASTM D86
<b>Distillation (50% Recovery)</b>	°C	[dist_50]	ASTM D86
<b>Distillation (90% Recovery)</b>	°C	[dist_90]	ASTM D86
<b>Distillation (Final Boiling Pt)</b>	°C	[dist_fbp]	ASTM D86
<b>Residue After Distillation</b>	% vol	[dist_residue]	ASTM D86
<b>Lubricity (HFRR @ 60°C)</b>	µm	[lubricity]	ISO 12156
<b>Cold Filter Plugging Point</b>	°C	[cfpp]	EN 116
<b>Smoke Point (Jet Fuel)</b>	mm	[smoke_point]	ASTM D1322
<b>Net Calorific Value</b>	MJ/kg	[calorific_value]	ASTM D4809

## 5. Proof of Product Documents Provided

1. Copy of License to Export
2. Copy of Title Ownership Certificate
3. Copy of Refinery Commitment to Supply
4. Copy of Statement of Product Availability
5. Copy of Tank Storage Receipt (TSR)
6. Copy of Recent SGS Report
7. Copy of Charter Party Agreement (CPA)
8. Copy of Bill of Lading (B/L)

## 6. Certification & Declaration

We, the undersigned, hereby confirm under penalty of perjury that the above-stated product is available and that the documents listed are genuine, verifiable, and issued in good faith.

**\*\*For and on behalf of the Seller\*\***

Signature:

Name: [seller\_signatory]

Title: [seller\_title]  
Date: 2024-12-27

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